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POLYISOCYANATES CONTAINING ACYLUREA GROUPS,
A PROCESS FOR THEIR PRODUCTION AND THEIR USE

ABSTRACT OF THE DISCLOSURE

The present invention relates to a process for preparing polyisocyanates containing acylurea groups by reacting isocyanates corresponding to formula (I)



wherein

R represents an n-valent linear or branched aliphatic group or cycloaliphatic group having 4 to 30 carbon atoms or an aromatic group having 6 to 24 carbon atoms and

n is 1, 2, 3 or 4,

with aliphatic and/or aromatic carboxylic acids in the presence of a metal salt catalyst at a temperature of 20 to 220°C.

The present invention also relates to the reaction products (polyisocyanates) prepared by this process and to their use as binders for polyurethane coating compositions.